

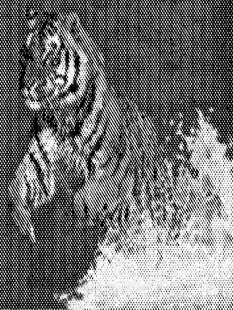
# **FLEXICOKING** **at** **Esso Rotterdam**

06 October 2003

TU Delft

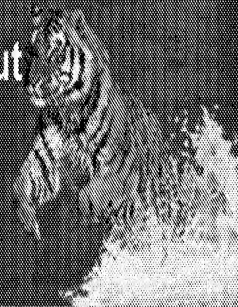
Aad Rooijmans

Esso Nederland BV  
Flexicoker  
Rotterdam Refinery



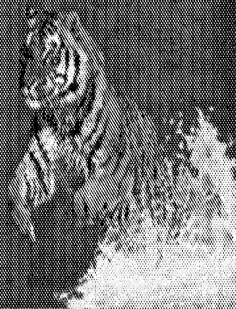
# Summary

- Market demand and crude oil supply
- Location Flexicoker in refinery flowsheet
- Conversion : light products out of vacuum residu
- Flexicoking process description
  - Reactor
  - Heater
  - Gasifier
  - Coke transfer between vessels
- Reliability prevails over the last ton thruput



# Market demand and crude oil supply

- LPG/Gas
- Nafta/Gasoline
- Kero/Jet
- Diesel
- Fuel Oil



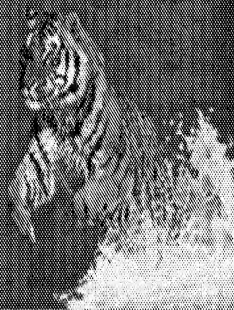


# Market demand and crude oil supply

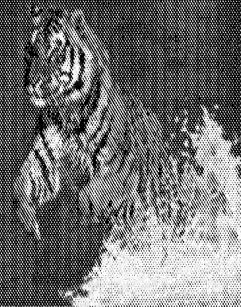
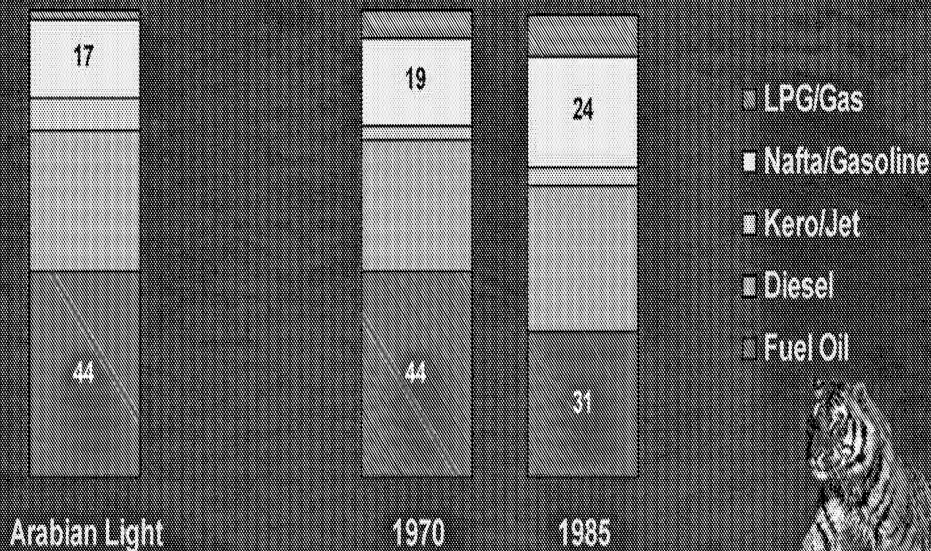


Arabian  
Light

- LPG/Gas
- Nafta/Gasoline
- Kero/Jet
- Diesel
- Fuel Oil



# Market demand and crude oil supply



# Market demand and crude oil supply

